

Accident / Incident Report Closed



Unit/Department	Process Area	Site	Report Number
South Operation-Elyria	General Catalyst – Building 31	ELYRIA	0084-SOPS-15-0079
Report Date	Incident Date	Incident Time	Copied From
06/10/2015	06/10/2015	09:29 AM	
Incident Location	Team Leader / Supervisor	Reported By	
Bldg 31 #3 calciner and CTO scrubber	brian beller	Patrick Rupp	
Title of Event (Limit to 90 characters)	Category	Division / Bus. Group / Subgroup Code	
NOx release on #3 calciner due to CTO Fault	<input type="checkbox"/> Safety & Health <input type="checkbox"/> Environmental	CC / G-CCP	
Incident Classification			
<input type="checkbox"/> Near Miss <input type="checkbox"/> Property Loss <input type="checkbox"/> Contractor <input type="checkbox"/> Process Safety <input type="checkbox"/> Citation / NOV <input type="checkbox"/> Contractor Injury / Illness <input type="checkbox"/> Injury / Illness <input type="checkbox"/> Health Exposure <input type="checkbox"/> Contract Injury / Illness <input checked="" type="checkbox"/> Spill / Release <input type="checkbox"/> Inspection <input type="checkbox"/> PSM <input type="checkbox"/> Permit / Regulatory Deviation <input type="checkbox"/> Major Incident <input type="checkbox"/> Plant Upset <input type="checkbox"/> Fire <input type="checkbox"/> Non-Occupational <input type="checkbox"/> EHS Management System Failure <input type="checkbox"/> Odor Complaint <input type="checkbox"/> RMP <input type="checkbox"/> Other			
Describe Event / What Happened			
<p>At 9:22 am the CTO Scrubber exhaust blower faulted and shut down, at this time it was being used to scrub for NOx on #3 Calciner. At approximately 9:25 an operator walking thru the area noticed a yellow cloud by the feed hopper for #3 calciner and smelled NOx. At this time the operator immediately exited the area and pulled the evacuation alarm. All operators and most of the contractors (some were at break and did not hear the alarm) then reported to the evacuation location and an ERT response was initiated. See attachments for ERT Log.</p>			
Immediate Corrective Action or Response			
<p>Building was evacuated and ERT response was initiated. As a part of the response all calciners in the building were verified that they were not feeding and #3 calciner burners were off. The CTO could not be restarted and exhaust flow for #3 calciner was diverted to the Tri-mer Scrubber. Building was swept for residual NOx and given all clear to return to work at 10:54 am</p>			
Immediate Cause			
CTO Earth fault on the Exhaust Blower			
Spill Release Type(s)		Non RQ Spill / Release	
Chemical(s) Involved	CAS #	Phy. State	Air Land Water Contmt Units
Nitrogen Dioxide (NOx)	10102-44-0	Liquid	.2 0 0 0 lbs
Disposition of Material	Released to calciner area first floor		
Weather Conditions	Skies:	Temperature:	Wind Direction: Wind Speed:
Cause Narrative			
Earth fault on VFD for CTO blower kicked out and stopped blower on CTO.			
Contributing Causes	Root/Primary Causes		
VFD has previously tripped with no apparent cause or explanation	55 - Administrative/Management Systems	78 - Problem Identification/Control	83 - Corrective Action LTA
Explanation of Root Causes			

Previous attempts to understand why VFD has faulted have not found any root cause so no actions were taken

Any known or potential off-site impacts?	No	PSM Incident?	No	Estimated Cost:	10,000.00 USD
Investigation Team	Leon Zavodnik				

Item	Corrective Action(s) to prevent recurrence	Responsible Person	Target Date	Final Closed Date	VC Req	VE Req
1	Check all ground wiring on CTO VFD, replace VFD and motor for unit	Gregory A Menz/BASF-CATALYSTS/BASF	08/16/2015	07/01/2015	N	N

Approved By:	
Manager / Dept. Head	Leon Zavodnik 06/16/2015 01:55 PM
EHS Unit Coordinator	Valerie Topete 06/26/2015 02:48 PM
Ecology	Tim Anglin 09/02/2015 12:40 PM
Confidential	